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May 10, 2001

\*LIMITED TO MATTERS
AND PROCEEDINGS BEFORE
FEDERAL COURTS & AGENCIES
\*\*REGISTERED PATENT AGENT
\*\*\*SENIOR COUNSEL

WRITER'S DIRECT NUMBER: (202) 371-2628
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Commissioner for Patents Washington, D.C. 20231

**Box Patent Application** 

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. To Be Assigned; Filed: Herewith

For: Method, System and Computer Program Product for Measuring Unit

Activity of an Enzyme

Inventors:

Nellis et al.

Our Ref:

0942.5110000/LEA/KPP

Sir:

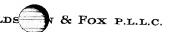
The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

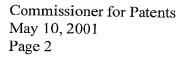
- 1. PTO Fee Transmittal (Form PTO/SB/17) (in duplicate);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

Method, System and Computer Program Product for Measuring Unit Activity of an Enzyme

and naming as inventors:

David Nellis Stephanie Nilsen





### the application consisting of:

- a. A specification containing:
  - i. 33 pages of description prior to the claims;
  - ii. 6 pages of claims (24 claims);
  - iii. a one (1) page abstract;
- b. 8 sheets of drawings: (Figures 1-8);
- c. An original executed Declaration:
- d. Application Data Sheet;
- Our check No. <u>31267</u> for \$822.00 to cover: e. \$710.00 filing fee for patent application; \$72.00 fee for excess claims; \$40.00 Assignment recordation fee;
- Authorization to Treat a Reply As Incorporating An Extension of Time 4. Under 37 C.F.R. § 1.136(a)(3) (in duplicate);
- 5. Recordation Form Cover Sheet;
- An original executed Assignment to Invitrogen Corporation, recordation 6. of which is hereby respectfully requested;
- 7. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. Commissioner for Patents



The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Kendrick P. Patterson Attorney for Applicants Registration No. 45,321

KPP/dnk Enclosures

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SIGNATURE

Hallenor

PTO/SB/05 (03-01)

May

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Date

Patent and Traden Office: U.S. DEPARIMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b)

espond to	a collection of information	on unless it displays a valid OMB control nur	mber.—
Attorney Docket No. First Inventor		0942.5110000	입
		David Nellis	~~ ~~
Title		and Computer Program Product for Activity of An Enzyme	u.s

			nonprovisional approximous under 57 CFR § 1.55(0)		Ex	press	Mail Label N	Vo.	<u></u>		
	S		LICATION ELEMENTS 600 concerning utility patent application contents.	A	D	DR	ESS TO:	Box I	ant Commis Patent Applic ington, DC 2		Dr.
1.	Ø		ttal Form (e.g., PTO/SB/17) nal, and a duplicate for fee processing)	7. 8		(A	ppendix)		•	, large table or Con tence Submission	mputer Program
2.		Applicant cla See 37 CFR	aims small entity status. 1.27.	0.	a		applicable, as	ll necessai	(עי		
3.	$\boxtimes$		[Total Pages 40]  gement set forth below)  e of the Invention		b	. Spe	i. C	-	Ü	copies); or	
		- Cross Reference - Statement Rega - Reference to se	e to Related Applications ording Fed sponsored R & D oquence listing, a table, orogram listing appendix		c	. П		aper verifying	identity of	f above copies	
		- Background of - Brief Summary	the Invention of the Invention	Г						PLICATION PAR	TS
***		<ul> <li>Brief Description</li> <li>Detailed Description</li> <li>Claim(s)</li> <li>Abstract of the</li> </ul>	•		9.	Ø	Assignmen	t Papers (c	over sheet	& document(s))	
4.	×	Drawing(s) (	35 U.S.C. 113) [Total Sheets 8]	10	Э.		37 CFR 3.7 (when there is			Power of Attorn	ey
5.	<b>Ø</b> 0:	ath or Declara	tion [Total Pages 2]	1:	۱.		English Tra	nslation [	Ocument (	(if applicable)	
		_ ′	recuted (original or copy)	13	2.		Information Statement (			Copies of IDS Citations	
	b.		m a prior application (37 CFR 1.63(d)) muation/divisional with Box 18 completed)	13	3.		Preliminary	Amendm	ent		
		i. 🗖	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)		<b>1</b> .	Ø	Two (2) Ret (Should be sp			d (MPEP 503)	
			named in the prior application, see 37 CFR § 1.63(d)(2) and 1.33(b).	§ 15	5.		Certified Co (if foreign pri			ment(s)	
6.	<b>X</b> 4	Application Da	ata Sheet. See 37 CFR 1.76.	16	<b>ó</b> .		Nonpublication form PTO/SB	-		S.C. 122 (b)(2)(B)(i). A <sub>i</sub>	oplicant must attach
4				10	7.	X			on under 3' f the assign	7 C.F.R. § 1.136(a)(3	3)
10	TC	CONTENUE	IC ADDITION I I		.I						<del></del>
or i	II a n an Aj	pplication Data	IG APPLICATION, check appropriate box, Sheet under 37 CFR 1.76:	and supply	the	e requ	isite informai	tion below	and in a p	oreliminary amendm	ent,
	Continuation Divisional Continuation-in-Part (CIP) of prior application No:/  Prior application information: Examiner Group/Art Unit:										
con	For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only relied upon when a portion has been inadvertently omitted from the submitted application parts.										
Г	19. CORRESPONDENCE ADDRESS										
D	☐ Correspondence address below										
-	Customer No. 26111 (Insert Customer No. or Attach bar code label here)										
NA	NAME STERNE, KESSLER, GOLDSTEIN & FOX P.14. 1 1 1										
AL	DRES	S	Attorneys at Law								
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λ7.4	ME (D	trint/Tyne)	Kendrick P. Patterson		_	Dan	istration No	(14,000,000)	(a-m() [4	5 321	

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SKGF Rev 3/29/01 mac

Reduction Act of 1995, no persons are required to

# **FEE TRANSMITTAL** for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$)822.00

Complete if Known				
Application Number	To Be Assigned			
Filing Date	Herewith			
First Named Inventor	David Nellis			
Examiner Name	To Be Assigned			
Group Art Unit	To Be Asssigned			
Attorney Docket No.	0942.5110000/LEA/KPP			

METHOD OF PAYMENT (check one)			FEE CALCULATION (continued)						
1.   The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:			TIONAL Entity		Entity	,			
Deposit Account Number	19-0036	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee t	Description	Fee paid	
Deposit Account Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.	105	130	205	65	Surcharge - late, filing	fee or oath		
Па		127	50	227	25	Surcharge - late provision	al filing fee or cover she	eet	
Under 37 CFI	dditional Fee Required S§§ 1.16 and 1.17	139	130	139	130	Non-English specif	ication		
Applicant claims small entity status See 37 CFR 1.27			2,520	147	2,520	For filing a request for	or ex <i>part</i> e reexami	nation	
		112	920*	112	920*	Requesting publication action	of SIR prior to Examir	ier	
2. 🛛 Payment Encid	sed:	113	1,840*	113	1,840*	Requesting publication	of SIR after Examiner	action	
			110	215	55	Extension for reply w	vithin first month		
	FEE CALCULATION	116	390	216	195	Extension for reply w	ithin second month	١	
1. BASIC FILING FI	E	117	890	217	445	Extension for reply w	vithin third month		
Large Entity Small Fee Fee Fee	Entity Fee Fee Description Fee Paid	118	1,390	218	695	Extension for reply w	ithin fourth month		
Code (\$) Code		128	1,890	228	945	Extension for reply w	ithin fifth month		
101 710 201	355 Utility filing fee 710.00	119	310	219	155	Notice of Appeal			
106 320 206	160 Design filing fee	120	310	220	155	Filing a brief in suppo	ort of an appeal		
107 490 207	245 Plant filing fee	121	270	221	135	Request for oral hear	ring		
108 710 208	355 Reissue filing fee	138	1,510	138	1,510	Petition to institute a	public use proceed	ling	
114 150 214	75 Provisional filing fee	140	110	240		Petition to revive - ur			
CURTOTAL	4) (4) 740 00	141	1,240	241	620	Petition to revive - ur			
SUBTUTAL	<b>1)</b> (\$) <u>710.00</u>	_ 142	1,240	242	620	Utility issue fee (or re	eissue)		
		143	440	243		Design issue fee			
		144 122	600 130	244		Plant issue fee			
				122	130	Petitions to the Comr	nissioner		
2. EXTRA CLAIM FI	ES Fee from Extra below Fee Paid	123	130	123	130	Petitions related to p	rovisional applicatio	ons	
Total Claims24 -:	20** = <u>4</u> X <u>18</u> = 72.00	126	180	126	180	Submission of Inform	ation Disclosure St	:mt	
Indep. Claims3	_ 3** = <u>0</u> X <u>80</u> = <u>00.00</u>	581	40	481	40	Recording each pater property (times numb		40.00	
Multiple Dependent	<u> </u>	146	710	246	355	Filing a submission a (37 CFR 1.129(a))	fter final rejection		
Large Entity Small Fec Fee Fee Code (\$) Code	Fee Fee Description	149	710	249	355	For each additional ir (37 CFR 1.129(b))	vention to be exam	nined	
103 18 203	9 Claims in excess of 20	179	710	279	355	Request for Continue	d Examination (RC	;E)	
	Independent claims in excess of 3  Multiple dependent claim	169	900	169	900	Request for expedited application	d examination of a	design	
	40 **Reissue independent claims over original	Other fee (	specify):			арриоспот			
110 18 210	patent  **Reissue claims in excess of 20 and over original patent	Other fee (specify):							
SUB		*Reduced by Basic Filing Fee Paid							
**or number previously paid, if greater; For Reissues, see above						SUBTOTAL	(3) (\$) <u>40.00</u>	)	
SUBMITTED BY							Complete (if app	olicable)	
Name (Print/Type)		Registration No. 45,321			45,321	Telephone	202-371-2600		
Signature Willewor							Date	10 May 2001	

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PATENT APPLICATION	SERIAL NO.
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## U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FEE RECORD SHEET

## 05/11/2001 SMINASS1 00000045 09852093

01 FC=101 02 FC=103 03 FC=581 710.00 OP 72.00 OP 40.00 OP

PTO-1556 (5/87)

\*U.S. GPO: 2000-468-987/39595